

ITEM NUMBER	HOSE LOCATION	HOSE P/N	A	B	C	D	E	F	G	TORQUE	CUT LENGTH	STYLE
1	CYLINDER	602.3001	16.00	601.1385 \triangle 3	601.1389	601.1389	601.1752 \triangle 5	601.1462 \triangle 4		120-140 IN-LB	14.00	A
2	RT CROSS TUBE	602.3002	19.75	601.1385 \triangle 3	601.1389	601.1389	601.1752 \triangle 5	601.1462 \triangle 4		120-140 IN-LB	17.75	A
3	LT CROSS TUBE	602.3003	80.65	601.1385 \triangle 3	601.1389	601.1389	601.1752 \triangle 5	601.1462 \triangle 4		120-140 IN-LB	78.65	A
4	FWD FLOAT SKID TUBE	602.3004	38.5	601.1385 \triangle 3	601.1389	601.1389	601.1752 \triangle 5	601.1462 \triangle 4		120-140 IN-LB	36.5	A
5	AFT FLOAT SKID TUBE	602.3005	30.00	601.1385 \triangle 3	601.1389	601.1389	601.1752 \triangle 5	601.1462 \triangle 4		120-140 IN-LB	28.00	A
6	AFT FLOAT	602.3006	13.00	601.1385 \triangle 3	601.1389	601.1389	601.1752 \triangle 5	601.1462 \triangle 4		120-140 IN-LB	11.00	A
7	FWD FLOAT	602.3007	14.25	601.1385 \triangle 3	601.1389	601.1389	601.1752 \triangle 5	601.1462 \triangle 4		120-140 IN-LB	12.25	A
8	RAFT RT CROSS TUBE	602.3008	80.75	601.2311	601.2312	601.2312	601.1491 \triangle 5	601.1429 \triangle 4		90-110 IN-LB	78.75	A
9	RAFT LT CROSS TUBE	602.3009	21.00	601.2311	601.2312	601.2312	601.1491 \triangle 5	601.1429 \triangle 4		90-110 IN-LB	19.00	A
10	RAFT CYLINDER	602.3010	20.00	601.2311	601.2312	601.2312	601.1491 \triangle 5	601.1429 \triangle 4		90-110 IN-LB	18.00	A
11	RAFT	602.3011	90.00	601.2311	601.2312	601.2312	601.1491 \triangle 5	601.1429 \triangle 4		90-110 IN-LB	88.00	A
12	T2 CYLINDER	602.3012	24.00	601.1385 \triangle 3	601.1389	601.1389	601.1752 \triangle 5	601.1462 \triangle 4		120-140 IN-LB	22.00	A

ENGINEERING CHANGE NOTICE		C. 02751		SHEET 1 OF 1	
DWG NO. 602.3000		REV:N/C	PREPARED BY D.SCHUR	DATE: 1/11/10	
DWG TITLE: HOSE ASSY					
APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER AND STOCK	
REASON: REVISED DIMENSIONS					
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE					

SHEET 1 IS :

ITEM NUMBER	HOSE LOCATION	HOSE P/N	A	B	C	D	E	F	G	TORQUE	CUT LENGTH	STYLE
1	CYLINDER	602.3001	16.00	601.1385	601.1389	601.1389	601.1752	601.1462		120-140 IN-LB	14.00	A
2	RT CROSS TUBE	602.3002	19.75	601.1385	601.1389	601.1389	601.1752	601.1462		120-140 IN-LB	17.75	A
3	LT CROSS TUBE	602.3003	80.65	601.1385	601.1389	601.1389	601.1752	601.1462		120-140 IN-LB	78.65	A
4	FWD FLOAT SKID TUBE	602.3004	38.5	601.1385	601.1389	601.1389	601.1752	601.1462		120-140 IN-LB	36.5	A
5	AFT FLOAT SKID TUBE	602.3005	30.00	601.1385	601.1389	601.1389	601.1752	601.1462		120-140 IN-LB	28.00	A
6	AFT FLOAT	602.3006	13.00	601.1385	601.1389	601.1389	601.1752	601.1462		120-140 IN-LB	11.00	A
7	FWD FLOAT	602.3007	14.25	601.1385	601.1389	601.1389	601.1752	601.1462		120-140 IN-LB	12.25	A
8	RAFT RT CROSS TUBE	602.3008	80.75	601.2311	601.2312	601.2312	601.1491	601.1429		90-110 IN-LB	78.75	A
9	RAFT LT CROSS TUBE	602.3009	21.00	601.2311	601.2312	601.2312	601.1491	601.1429		90-110 IN-LB	19.00	A
10	RAFT CYLINDER	602.3010	20.00	601.2311	601.2312	601.2312	601.1491	601.1429		90-110 IN-LB	18.00	A
11	RAFT	602.3011	90.00	601.2311	601.2312	601.2312	601.1491	601.1429		90-110 IN-LB	88.00	A

F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:				<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRU <input type="checkbox"/> ICA <input checked="" type="checkbox"/> BOM <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	CHANGE CATEGORY	DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

ENGINEERING CHANGE NOTICE

0. 02439

SHEET 1 OF 1

DWG NO. 602.3000

REV: NC

PREPARED BY D.SCHUR

DATE: 6/8/09

EFFECT ON DWG
☐ INC. ☒ UNINC.

DWG TITLE: HOSE ASSY

APPROVED BY: ENGR *P. Brano*

MFG

QC

EFF: CURRENT ORDER

TRANSACTION CODES (TC):
A--ADD
R--REVISE
D--DELETE

REASON: REVISED P/N A AND CUT LENGTH FOR ITEM NO. 3,4,5,8. REVISED P/N E AND F FOR ITEM NO. 8,9,10,11

SHEET 1 IS :

PRINTED COPY OF THIS DOCUMENT IS FOR REFERENCE ONLY AND IS UNCONTROLLED

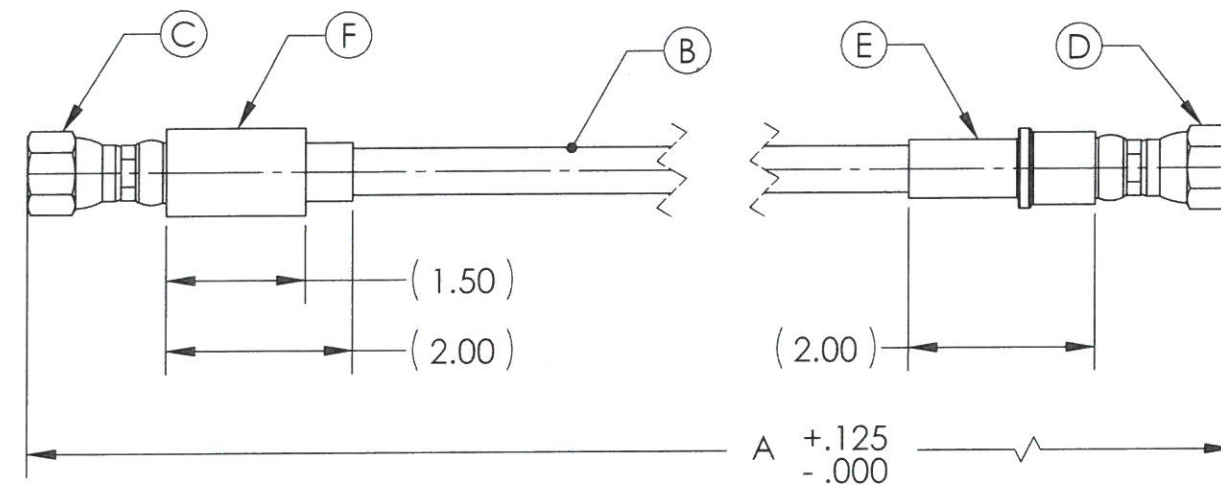
ITEM NUMBER	HOSE LOCATION	HOSE PIN	A	B	C	D	E	F	G	TORQUE	CUT LENGTH	STYLE
1	CYLINDER	602.3001	16.00	601.1385 Δ 3	601.1389	601.1389	601.1752 Δ 5	601.1462 Δ 4		120-140 IN-LB	14.00	A
2	RT CROSS TUBE	602.3002	19.75	601.1385 Δ 3	601.1389	601.1389	601.1752 Δ 5	601.1462 Δ 4		120-140 IN-LB	17.75	A
3	LT CROSS TUBE	602.3003	75.75	601.1385 Δ 3	601.1389	601.1389	601.1752 Δ 5	601.1462 Δ 4		120-140 IN-LB	73.75	A
4	FWD FLOAT SKID TUBE	602.3004	38.5	601.1385 Δ 3	601.1389	601.1389	601.1752 Δ 5	601.1462 Δ 4		120-140 IN-LB	36.5	A
5	AFT FLOAT SKID TUBE	602.3005	30.00	601.1385 Δ 3	601.1389	601.1389	601.1752 Δ 5	601.1462 Δ 4		120-140 IN-LB	28.00	A
6	AFT FLOAT	602.3006	13.00	601.1385 Δ 3	601.1389	601.1389	601.1752 Δ 5	601.1462 Δ 4		120-140 IN-LB	11.00	A
7	FWD FLOAT	602.3007	14.25	601.1385 Δ 3	601.1389	601.1389	601.1752 Δ 5	601.1462 Δ 4		120-140 IN-LB	12.25	A
8	RAFT RT CROSS TUBE	602.3008	77.00	601.2311	601.2312	601.2312	601.1491 Δ 5	601.1429 Δ 4		90-110 IN-LB	75.00	A
9	RAFT LT CROSS TUBE	602.3009	21.00	601.2311	601.2312	601.2312	601.1491 Δ 5	601.1429 Δ 4		90-110 IN-LB	19.00	A
10	RAFT CYLINDER	602.3010	20.00	601.2311	601.2312	601.2312	601.1491 Δ 5	601.1429 Δ 4		90-110 IN-LB	18.00	A
11	RAFT	602.3011	90.00	601.2311	601.2312	601.2312	601.1491 Δ 5	601.1429 Δ 4		90-110 IN-LB	88.00	A

F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:						
<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL <input type="checkbox"/> INSTRUC <input type="checkbox"/> ICA <input type="checkbox"/> BOM				CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR		
<input type="checkbox"/> DER REVIEW REQUIRED				<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

1. PROOF PRESSURE 3750 PSI.
- 2 IDENTIFY IAW MPP-120, APPROX. AS SHOWN.
- 3 P/N 601.1385 PER M23053/5-108-O
- 4 P/N 601.1462 AND 601.1429 PER M23053/5-109-C.
- 5 P/N 601.1752 AND 601.1491 PER MIL-DTL-23053/5 CLASS 1.

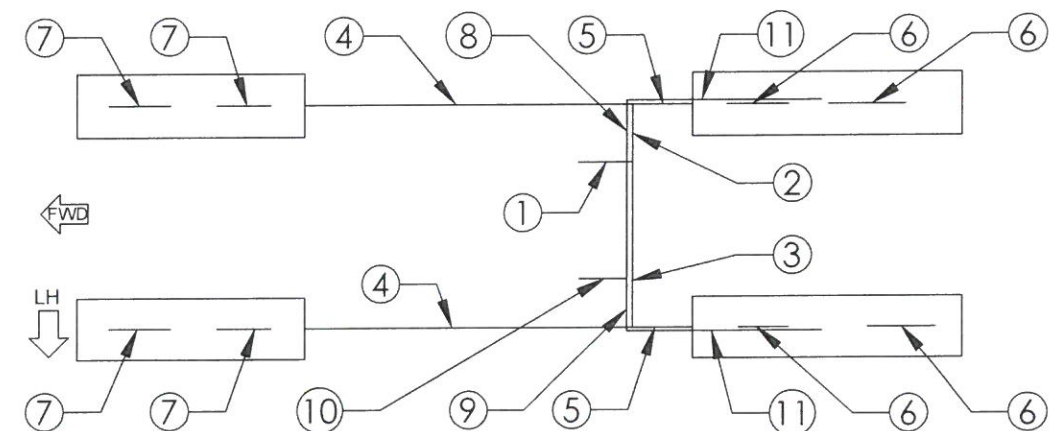


STYLE A

UNINCORPORATED ECN(s)

02439, 02751, 05557

ITEM NUMBER	HOSE LOCATION	HOSE P/N	A	B	C	D	E	F	G	TORQUE	CUT LENGTH	STYLE
1	CYLINDER	602.3001	16.00	601.1385 3	601.1389	601.1389	601.1752 5	601.1462 4		120-140 IN-LB	14.00	A
2	RT CROSS TUBE	602.3002	19.75	601.1385 3	601.1389	601.1389	601.1752 5	601.1462 4		120-140 IN-LB	17.75	A
3	LT CROSS TUBE	602.3003	75.75	601.1385 3	601.1389	601.1389	601.1752 5	601.1462 4		120-140 IN-LB	73.75	A
4	FWD FLOAT SKID TUBE	602.3004	38.5	601.1385 3	601.1389	601.1389	601.1752 5	601.1462 4		120-140 IN-LB	36.5	A
5	AFT FLOAT SKID TUBE	602.3005	30.00	601.1385 3	601.1389	601.1389	601.1752 5	601.1462 4		120-140 IN-LB	28.00	A
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7	FWD FLOAT	602.3007	14.25	601.1385 3	601.1389	601.1389	601.1752 5	601.1462 4		120-140 IN-LB	12.25	A
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9	RAFT LT CROSS TUBE	602.3009	21.00	601.2311	601.2312	601.2312	601.1491 5	601.1429 4		90-110 IN-LB	19.00	A
10	RAFT CYLINDER	602.3010	20.00	601.2311	601.2312	601.2312	601.1491 5	601.1429 4		90-110 IN-LB	18.00	A
11	RAFT	602.3011	90.00	601.2311	601.2312	601.2312	601.1491 5	601.1429 4		90-110 IN-LB	88.00	A



FLOAT HOSE LAYOUT (REF ONLY)

QTY		PARTS LIST	
NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR) 11/30/08	
646.4100		DRAWN BY D.SCHUR CHECKER P. BRAVO	
		DRAWING APPROVAL 11/30/08	
		CONTRACT NO.	
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS .01 3 PLACE DECIMALS .005 ANGLES .5	
		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
		HOSE ASSY	
		SIZE B CAGE CODE 07M26 DWG. NO. 602.3000 REV. NC	
		SCALE NONE SHEET 1 OF 1	